

Proposed Changes to Construction Permitting Exemptions (567 IAC 22.1(2))

The Department will be proposing rule changes to some of the construction permit exemptions to implement the current National Ambient Air Quality Standards (NAAQS) for PM2.5, Lead, SO2, and NOx. The anticipated changes will apply only to emission units constructed, installed, or modified on or after January 1, 2013. Existing units will be grandfathered.

Exemption	Exemption Description	Proposed Change	Reason for Change
b	Fuel burning equipment for indirect heating or cooling, capacity of less than 1 million BTU input per combustion unit when burning coal, untreated wood, untreated seeds or pellets, other untreated vegetative matter, or fuel oil.	-Add operating limits for fuel burning equipment combusting used oils, as follows: Maximum rated capacity of less than 50,000 Btu/hour heat input or a maximum rated throughput of less than 3600 gallons year -Remove "coal" as a covered fuel for new or modified units - Operating limits (tbd) for untreated wood, seeds, pellets, and other vegetative matter.	Lead NAAQS and PM2.5 NAAQS. The removal of coal as a covered fuel was a recommendation of the PM2.5 Stakeholder Workgroup.
e	Incinerators and pyrolysis cleaning furnaces with a rated refuse burning capacity of less than 25 pounds per hour. Pyrolysis cleaning furnace exemption is limited to those units that use only natural gas or propane. Salt bath units are not included in this exemption.	Exemption may not be used for new or modified incinerators.	Lead NAAQS. Most incinerators have a burning capacity of 25 pounds/hours or greater, and do not qualify for this exemption. Units used at agricultural operations will continue to qualify for exemption "d".
i	1 lb/hr exemption	Exemption may not be used for new or modified units.	PM2.5 NAAQS. No facilities have applied to use this exemption since the small unit exemption became available several years ago. The PM2.5 Stakeholder Workgroup recommended that this exemption not be allowed for PM2.5 emissions.
w	Small Unit exemption	-Add allowable emission rates for PM2.5 from new or modified units, as follows: "Small Unit" = 0.52 tpy; "Substantial Small Unit" = 0.4 tpy "Cumulative Notice Threshold" = 10 tpy -Revise the allowable emission rates for lead or lead compounds from new or modified units to the following: "Small Unit" = 2 pounds per year; "Substantial Small Unit" = 2 pounds per year.	PM2.5 and Lead NAAQS. The PM2.5 Stakeholder Workgroup recommended these changes.
ff	Production Welding	Revise the quantity limits on electrodes used to the following: 12,500 pounds per year GMAW and 1600 pounds per year for SMAW or FCAW. If electrode usage exceeds these levels, the	PM2.5 NAAQS. The PM2.5 Stakeholder Workgroup recommended these changes.

Exemption	Exemption Description	Proposed Change	Reason for Change
		welding activity is exempted if the amount of electrode used "Y" is less than: "Y" = the greater of $11x - 160$ or $12,5000$ for GMAW, or "Y" = the greater of $84x - 1200$ or 1600 for SMAW or FCAW Where "x" is the minimum distance to the property line in feet, and "Y" is the annual electrode usage in pounds per year.	
gg	Electric hand soldering, wave soldering, and electric solder past reflow ovens.	New or modified welding operations will be limited to 37,000 pounds per year of lead-containing solder.	Lead NAAQS.
kk	Equipment related to research and development.	Revise the allowable levels for actual emissions to the following: 2 pounds per year of lead and lead compounds expressed as lead 0.52 tons per year of PM2.5.	PM2.5 NAAQS and Lead NAAQS. The emission level changes for this exemption are based on the recommended changes for "w." The PM2.5 Stakeholder Workgroup recommended the changes for PM2.5.